

Amendments to Claims

This listing of claims will replace all prior versions, and listings, of claims in this patent application.

Listing of Claims

Claims

1-46. (Cancelled)

47. (Withdrawn) ~~A closure for a compartment having one or more walls and an opening defined by at least one of the walls, the closure being associated with at least one fastener located inside the compartment and adapted to hold the closure in a first position relative to the opening, the fastener being adapted to cause the closure to assume a second position relative to the opening upon receipt of a suitable signal, wherein the closure comprises at least one indicium visible from outside the compartment and adapted to provide a visual indication of a status of the closure or the compartment.~~
48. (Withdrawn) ~~The closure of claim 47, wherein the fastener comprises means for communicating to a remote device information relating to the closure, the compartment or its contents.~~
49. (Withdrawn) ~~The closure of claim 47, wherein the compartment forms an array with other compartments having similar fasteners, the first mentioned fastener is addressable and the signal is provided by means external to the compartment and capable of addressing the first mentioned fastener.~~
50. (Withdrawn) ~~The closure of claim 47, wherein the compartment is a mail box or locker.~~
51. (Withdrawn) ~~The closure of claim 50, wherein the compartment is a mail box having an internal opening for deposit of mail.~~

52. (Withdrawn) ~~The closure of claim 47, having a slot provided at one end of or through the closure.~~
53. (Withdrawn) ~~The closure of claim 47, wherein the closure is hinged to the compartment at the opening.~~
54. (Withdrawn) ~~The closure of claim 47, wherein in the first position the closure closes the opening.~~
55. (Withdrawn) ~~The closure of claim 54, wherein the fastener located inside the compartment is adapted to hold the closure in the first position relative to the opening without input of energy.~~
56. (Withdrawn) ~~The closure of claim 47, wherein in the second position the closure permits access to the opening upon receipt of the signal.~~
57. (Currently Amended) A closure for a compartment having one or more walls and an opening defined by at least one of the walls, the closure being associated with at least one fastener located inside the compartment and adapted to hold the closure in a first position relative to the opening, The closure of claim 47, wherein the fastener comprises a fastening element having a flexible beam and an engagement means; and actuating means attached to the fastener and including a material adapted to contract when activated; the beam being moveable, upon contraction of the material, between an engagement position and a disengagement position the fastener being adapted to cause the closure to assume a second position relative to the opening upon receipt of a suitable signal, wherein the closure comprises at least one indicium visible from outside the compartment and adapted to provide a visual indication of a status of the closure or the compartment.
58. (Previously Presented) The closure of claim 57, wherein the material adapted to contract when activated is chosen from the group; shape memory wire, shape memory strip and shape memory alloy in sputter form.
59. (Previously Presented) The closure of claim 57, which comprises two of the actuating means attached to the fastening element.

60. (Previously Presented) The closure of claim 59, wherein one of the actuating means is adapted to cause the beam to move to the disengagement position and the other actuating means is adapted to cause the beam to move to the engagement position.
61. (Currently Amended) The closure of claim 47 57, wherein the fastener is a fastener assembly for releasably securing an element, the element including a post having a groove, the assembly including a bar adapted to engage the groove to secure the element, the assembly also including a connecting means attached to the bar and consisting of or including shape memory material which, upon application of suitable energy, is adapted to change shape and draw the bar out of engagement with the groove thus releasing the element.
62. (Previously Presented) The closure of claim 61, wherein the element has more than one post, each having a groove.
63. (Previously Presented) The closure of claim 62, wherein the bar is adapted to engage the groove in more than one post.
64. (Previously Presented) The closure of claim 61, wherein the shape memory material is a titanium-nickel wire and the suitable energy is heat.
65. (Withdrawn) ~~The closure of claim 47, wherein the fastener is adapted to cause the closure to assume the second position relative to the opening by releasing the closure, the closure adapted to fall open under the influence of gravity.~~
66. (Withdrawn) ~~The closure of claim 47, wherein the closure is adapted to return to the first position from the second position by the application of pressure of the closure against the opening.~~
67. (Withdrawn) ~~The closure of claim 47, the closure being associated with two or more fasteners.~~
68. (Withdrawn) ~~The closure of claim 47, wherein each fastener is located on the closure.~~
69. (Withdrawn) ~~The closure of claim 47, wherein each fastener is located on a wall of the compartment.~~

70. (Withdrawn) ~~The closure of claim 47, wherein the indicium shows one or more of the following:~~
- ~~(i) whether the closure is in the first position or the second position;~~
 - ~~(ii) whether the compartment contains contents or is empty.~~
71. (Withdrawn) ~~The closure of claim 47, wherein the indicium takes a form of one or more light emitting diode chips.~~
72. (Withdrawn) ~~The closure of claim 71, wherein the fastener is linked to the light emitting diode chip or chips.~~
73. (Withdrawn) ~~The closure of claim 48, wherein the remote device is a computer and the means for communicating is adapted to communicate by email to the computer.~~
74. (Withdrawn) ~~The closure of claim 48, wherein the remote device is a mobile phone and the means for communicating is adapted to communicate a text message to the mobile phone.~~
75. (Withdrawn) ~~A compartment having the closure of claim 47.~~
76. (Withdrawn) ~~The closure of claim 75, when associated with means for reading identifying indicia to be placed within the compartment.~~
77. (Withdrawn) ~~An array of compartments as claimed in claim 75.~~
78. (Withdrawn) ~~The array of claim 77, linked to a smart card reader.~~
79. (Withdrawn) ~~The array of claim 77, wherein the fasteners are connected in series.~~
80. (Withdrawn) ~~The array of claim 77, wherein each fastener is addressable on an individual basis or as part of a group.~~
81. (Withdrawn) ~~The array of claim 78, wherein the smart card reader is configured to deduct a fee each time a smart card is read by the smart card reader.~~
82. (Withdrawn) ~~The array of claim 81, wherein the fee is deducted against a credit on the smart card or from a remote account.~~

83. ~~(Withdrawn) The array of claim 78, wherein the smart card is adapted to open another closure and/or to operate as a credit card.~~
84. ~~(Withdrawn) A closure for a compartment having one or more walls and an opening defined by at least one of the walls, the closure being associated with at least one fastener located inside the compartment and adapted to hold the closure in a first position relative to the opening, the fastener being adapted to cause the closure to assume a second position relative to the opening upon receipt of a suitable signal, wherein the fastener comprises means for communicating to a remote device information relating to the closure, the compartment or contents of the compartment.~~
85. ~~(Withdrawn) The closure of claim 84, wherein the compartment forms an array with other compartments having similar fasteners, the first mentioned fastener is addressable and the signal is provided by means external to the compartment and capable of addressing the first mentioned fastener.~~
86. ~~(Withdrawn) The closure of claim 84, wherein the compartment is a mail box or locker.~~
87. ~~(Withdrawn) The closure of claim 86, wherein the compartment is a mail box having an internal opening for deposit of mail.~~
88. ~~(Withdrawn) The closure of claim 84, having a slot provided at one end of or through the closure.~~
89. ~~(Withdrawn) The closure of claim 84, wherein the closure is hinged to the compartment at the opening.~~
90. ~~(Withdrawn) The closure of claim 84, wherein in the first position the closure closes the opening.~~
91. ~~(Withdrawn) The closure of claim 90, wherein the fastener located inside the compartment is adapted to hold the closure in the first position relative to the opening without input of energy.~~
92. ~~(Withdrawn) The closure of claim 84, wherein in the second position the closure permits access to the opening upon receipt of the signal.~~

93. (Currently Amended) A closure for a compartment having one or more walls and an opening defined by at least one of the walls, the closure being associated with at least one fastener located inside the compartment and adapted to hold the closure in a first position relative to the opening. The closure of claim 84, wherein the fastener includes a fastening element having a flexible beam and an engagement means; and actuating means attached to the fastener and including a material adapted to contract when activated; the beam being moveable, upon contraction of the material, between an engagement position and a disengagement position, the fastener being adapted to cause the closure to assume a second position relative to the opening upon receipt of a suitable signal, wherein the fastener comprises means for communicating to a remote device information relating to the closure, the compartment or contents of the compartment.
94. (Previously Presented) The closure of claim 93, wherein the material adapted to contract when activated is chosen from the group; shape memory wire, shape memory strip and shape memory alloy in sputter form.
95. (Previously Presented) The closure of claim 93, which comprises two of the actuating means attached to the fastening element.
96. (Previously Presented) The closure of claim 95, wherein one of the actuating means is adapted to cause the beam to move to the disengagement position and the other actuating means is adapted to cause the beam to move to the engagement position.
97. (Previously Presented) The closure of claim ~~84~~ 93, wherein the fastener is a fastener assembly for releasably securing an element, the element including a post having a groove, the assembly including a bar adapted to engage the groove to secure the element, the assembly also including a connecting means attached to the bar and comprising of or including shape memory material which, upon application of suitable energy, is adapted to change shape and draw the bar out of engagement with the groove thus releasing the element.
98. (Previously Presented) The closure of claim 97, wherein the element has more than one post, each having a groove.

99. (Previously Presented) The closure of claim 98, wherein the bar is adapted to engage the groove in more than one post.
100. (Previously Presented) The closure of claim 97, wherein the shape memory material is a titanium-nickel wire and the suitable energy is heat.
101. (Withdrawn) ~~The closure of claim 84, wherein the fastener is adapted to cause the closure to assume the second position relative to the opening by releasing the closure, the closure adapted to fall open under the influence of gravity.~~
102. (Withdrawn) ~~The closure of claim 84, wherein the closure is adapted to return to the first position from the second position by the application of pressure of the closure against the opening.~~
103. (Withdrawn) ~~The closure of claim 84, the closure being associated with two or more fasteners.~~
104. (Withdrawn) ~~The closure of claim 84, wherein each fastener is located on the closure.~~
105. (Withdrawn) ~~The closure of claim 84, wherein each fastener is located on a wall of the compartment.~~
106. (Withdrawn) ~~The closure of claim 84, wherein the fastener is adapted to read information on an article located inside the compartment and to communicate information regarding the article to the remote device.~~
107. (Withdrawn) ~~The closure of claim 84, wherein the information relates to status of the closure and is chosen from the group being closure open, closure closed and closure damaged.~~
108. (Withdrawn) ~~The closure of claim 84, wherein the information relates to status of the compartment and is chosen from the group: compartment empty, compartment occupied, compartment occupied by dangerous contents.~~
109. (Withdrawn) ~~The closure of claim 84, wherein the remote device is a computer and the means for communicating is adapted to communicate by email to the computer.~~

110. (Withdrawn) ~~The closure of claim 84, wherein the remote device is a mobile phone and the means for communicating is adapted to communicate a text message to the mobile phone.~~
111. (Withdrawn) ~~A compartment having the closure of claim 84.~~
112. (Withdrawn) ~~The closure of claim 111, when associated with means for reading identifying indicia to be placed within the compartment.~~
113. (Withdrawn) ~~An array of compartments as claimed in claim 111.~~
114. (Withdrawn) ~~The array of claim 113, linked to a smart card reader.~~
115. (Withdrawn) ~~The array of claim 113, wherein the fasteners are connected in series.~~
116. (Withdrawn) ~~The array of claim 113, wherein each fastener is addressable on an individual basis or as part of a group.~~
117. (Withdrawn) ~~The array of claim 114, wherein the smart card reader is configured to deduct a fee each time a smart card is read by the smart card reader.~~
118. (Withdrawn) ~~The array of claim 117, wherein the fee is deducted against a credit on the smart card or from a remote account.~~
119. (Withdrawn) ~~The array of claim 117, wherein the smart card is adapted to open another closure and/or to operate as a credit card.~~
120. (Withdrawn) ~~A closure for a compartment having one or more walls and an opening defined by at least one of the walls, the closure being associated with at least one fastener located inside the compartment and adapted to hold the closure in a first position relative to the opening, the fastener being adapted to cause the closure to assume a second position relative to the opening upon receipt of a suitable signal, wherein the compartment forms an array with other compartments having similar fasteners, the first mentioned fastener is addressable and the signal is provided by means external to the compartment and capable of addressing the first mentioned fastener.~~
121. (Withdrawn) ~~The closure of claim 120, wherein the compartment is a mail box or locker.~~

122. (Withdrawn) ~~The closure of claim 121, wherein the compartment is a mail box having an internal opening for deposit of mail.~~
123. (Withdrawn) ~~The closure of claim 120, having a slot provided at one end of or through the closure.~~
124. (Withdrawn) ~~The closure of claim 120, wherein the closure is hinged to the compartment at the opening.~~
125. (Withdrawn) ~~The closure of claim 120, wherein in the first position the closure closes the opening.~~
126. (Withdrawn) ~~The closure of claim 125, wherein the fastener located inside the compartment is adapted to hold the closure in the first position relative to the opening without input of energy.~~
127. (Withdrawn) ~~The closure of claim 120, wherein in the second position the closure permits access to the opening upon receipt of the signal.~~
128. (Currently Amended) A closure for a compartment having one or more walls and an opening defined by at least one of the walls, the closure being associated with at least one fastener located inside the compartment and adapted to hold the closure in a first position relative to the opening. The closure of claim 120, wherein the fastener includes a fastening element having a flexible beam and an engagement means; and actuating means attached to the fastener and including a material adapted to contract when activated; the beam being moveable, upon contraction of the material, between an engagement position and a disengagement position, the fastener being adapted to cause the closure to assume a second position relative to the opening upon receipt of a suitable signal, wherein the compartment forms an array with other compartments having similar fasteners, the first-mentioned fastener is addressable and the signal is provided by means external to the compartment and capable of addressing the first-mentioned fastener.
129. (Previously Presented) The closure of claim 128, wherein the material adapted to contract when activated is chosen from the group; shape memory wire, shape memory strip and shape memory alloy in sputter form.

130. (Previously Presented) The closure of claim 128, which comprises two of the actuating means attached to the fastening element.
131. (Currently Amended) The closure of claim ~~120~~ 128, wherein one of the actuating means is adapted to cause the beam to move to the disengagement position and the other actuating means is adapted to cause the beam to move to the engagement position.
132. (Previously Presented) The closure of claim ~~120~~ 128, wherein the fastener is a fastener assembly for releasably securing an element, the element including a post having a groove, the assembly including a bar adapted to engage the groove to secure the element, the assembly also including a connecting means attached to the bar and comprising of or including shape memory material which, upon application of suitable energy, is adapted to change shape and draw the bar out of engagement with the groove thus releasing the element.
133. (Previously Presented) The closure of claim 132, wherein the element has more than one post, each having a groove.
134. (Previously Presented) The closure of claim 133, wherein the bar is adapted to engage the groove in more than one post.
135. (Previously Presented) The closure of claim 132, wherein the shape memory material is a titanium-nickel wire and the suitable energy is heat.
136. (Withdrawn) ~~The closure of claim 120, wherein the fastener is adapted to cause the closure to assume the second position relative to the opening by releasing the closure, the closure adapted to fall open under the influence of gravity.~~
137. (Withdrawn) ~~The closure of claim 120, wherein the closure is adapted to return to the first position from the second position by the application of pressure of the closure against the opening.~~
138. (Withdrawn) ~~The closure of claim 120, the closure being associated with two or more fasteners.~~
139. (Withdrawn) ~~The closure of claim 120, wherein each fastener is located on the closure.~~

140. (Withdrawn) ~~The closure of claim 120, wherein each fastener is located on a wall of the compartment.~~
141. (Withdrawn) ~~The closure of claim 120, where there is more than one fastener associated with the closure, but only one fastener is addressable.~~
142. (Withdrawn) ~~The closure of claim 120, wherein at least one fastener is encrypted.~~
143. (Withdrawn) ~~The closure of claim 120, wherein the array is linked to a smart card reader.~~
144. (Withdrawn) ~~The closure of claim 120, wherein in the array the fasteners are connected in series.~~
145. (Withdrawn) ~~The closure of claim 120, wherein in the array each fastener is addressable on an individual basis or as part of a group.~~
146. (Withdrawn) ~~The closure of claim 141, wherein the smart card reader is configured to deduct a fee each time a smart card is read by the smart card reader.~~
147. (Withdrawn) ~~The closure of claim 144, wherein the fee is deducted against a credit on the smart card or from a remote account.~~
148. (Withdrawn) The closure of claim 141, wherein the smart card is adapted to open another closure and/or to operate as a credit card.